

WHAT IS CLAIMED IS:

- 1        1. A method for customizing one or more environments based on a location,  
2 comprising:
  - 3            receiving location information of a user; and
  - 4            customizing the environments based on the location information and a  
5 profile associated with the location.
- 1        2. The method of claim 1, further comprising:
  - 2            extracting a user identification from the location information;
  - 3            retrieving the profile based on the user identification;
  - 4            extracting a current location from the location information; and
  - 5            generating customization information based on the profile and the current  
6 location.
- 1        3. The method of claim 2, further comprising the steps:
  - 2            extracting a reference location from the profile;
  - 3            generating a first list of environments to customize based on the reference  
4 location and the current location; and
  - 5            retrieving a second list of customizable devices corresponding to each of  
6 the environments in the first list.
- 1        4. The method of claim 3, wherein the step of generating a first list  
2 comprises the steps:
  - 3            retrieving customization logic from the profile; and
  - 4            executing the customization logic to generate the list of environments.
- 1        5. The method of claim 4, wherein the customization logic one or more of:
  - 2            a table listing customizes environments listed in a table based on a  
3 difference between the current location and the reference location; and
  - 4            reasons using status parameters in the profile, the current location and the  
5 reference location.
- 1        6. The method of claim 4, wherein the generating the customization  
2 information comprises the step:

3 extracting from the profile customization commands;  
4 retrieving configuration data from sources specified in the profile  
5 customization commands; and  
6 mapping the configuration data to customizable devices in the second list  
7 of each of the environments in the first list.

1                   7.     The method of claim 6, wherein the specified sources comprise one or  
2     more of:

3 an already customized environment; and  
4 a database of configuration data for particular customizable devices.

1                   9. The method of claim 8, wherein the customizing step comprises:  
2                   identifying a network address for each of the customizable devices; and  
3                   setting, via a network, each of the customizable devices to operate in a  
4 manner consistent with corresponding integrated collected configuration data.

1                   10.     The method of claim 3, wherein the customizable devices include one or  
2     more of communication devices, computers, appliances, motor vehicles, temperature  
3     controls, entertainment devices, security devices, lights.

1            11. A customization system that customizes one or more environments based  
2        on a location of a user, comprising:

3 a network interface; and  
4 a controller coupled to the network interface, the controller receiving  
5 location information from the user, and customizing one or more environments based on  
6 the location information and a profile.

1                   12. The system of claim 11, wherein the controller extracts a user  
2 identification from the location information, retrieves the profile based on the user

3 identification, extracts a current location from the location information, and generates  
4 customization information based on the profile and the current location.

1       13.    The system of claim 12, wherein the controller extracts a reference  
2 location from the profile, generates a first list of environments to customize based on the  
3 reference location and the current location, and retrieves a second list of customizable  
4 devices corresponding to each of the environments in the first list.

1       14.    The system of claim 13, wherein the controller retrieves customization  
2 logic from the profile, and executes the customization logic to generate the list of  
3 environments.

1       15.    The system of claim 14, wherein the customization logic comprises one or  
2 more of:

3               a table listing environments that are to be customized based on a  
4 difference between the current location and the reference location; and

5               an expression of one or more logical functions that provides reasoning  
6 using status parameters in the profile, the current location and the reference location.

1       16.    The system of claim 14, wherein the controller extracts from the profile  
2 customization commands, retrieves configuration data from sources specified in the  
3 profile customization commands, and maps the configuration data to customizable  
4 devices in the second list of each of the environments in the first list.

1       17.    The system of claim 16, wherein the specified sources comprise one or  
2 more of:

3               an already customized environment; and

4               a database of configuration data for particular customizable devices.

1       18.    The system of claim 16, wherein the controller matches one or more  
2 portions of the configuration data with one or more customizable devices in the second  
3 list for each of the environments in the first list, collects configuration data for each of the  
4 customizable devices in the second list of the environments in the first list, and integrates  
5 the collected configuration data for each of the customizable devices.

1       19.    The system of claim 18, wherein the controller identifies a network  
2 address for each of the customizable devices, and sets, via a network, each of the

3 customizable devices to operate in a manner consistent with corresponding integrated  
4 collected configuration data.

1        20.      The system of claim 13, wherein the customizable devices include one or  
2 more of communication devices, computers, appliances, motor vehicles, temperature  
3 controls, entertainment devices, security devices, lights.

1        21.      A method for customizing one or more environments based on a location,  
2 comprising:

3                receiving location information; and  
4                customizing the environments based on the location information and a  
5 profile.

1        22.      A customization system that customizes one or more environments based  
2 on a location, comprising:

3                a network interface; and  
4                a controller coupled to the network interface, the controller receiving location information  
5                and customizing one or more environments based on the location information and a  
6 profile.

1        23.      A method for customizing one or more environments based on a location,  
2 comprising:

3                receiving location information;  
4                extracting a user identification from the location information;  
5                retrieving a profile based on the user identification;  
6                extracting a current location from the location information;  
7                generating customization information based on the profile and the current  
8 location; and  
9                customizing the one or more environments based on the location  
10 information and the profile.

1        24.      A customization system that customizes one or more environments based  
2 on a location, comprising:

3                a network interface; and  
4                a controller coupled to the network interface, wherein the controller:

5                   receives location information;  
6                   extracts a user identification from the location information;  
7                   retrieves a profile based on the user identification;  
8                   generates customization information based on the profile and the current  
9                   location; and  
10                  customizes one or more environments based on the location information  
11                  and the profile.

1               25.    A method for customizing one or more environments based on a location,  
2                  comprising:

3                   receiving location information of the user; and  
4                   extracting a user identification from the location information;  
5                   retrieving a profile associated with the location based on the user  
6                   identification;  
7                   extracting a reference location from the profile;  
8                   extracting a current location from the location information;  
9                   generating a first list of environments to customize based on the reference  
10                  location and the current location;  
11                  retrieving a second list of customizable devices corresponding to each of  
12                  the environments in the first list  
13                  generating customization information based on the profile and the current  
14                  location; and  
15                  customizing the one or more environments based on the location  
16                  information and the profile.

1               26.    A customization system that customizes one or more environments based  
2                  on a location, comprising:

3                   a network interface; and  
4                   a controller coupled to the network interface, wherein the controller:  
5                   receives location information;  
6                   extracts a user identification from the location information;  
7                   retrieves a profile based on the user identification;

